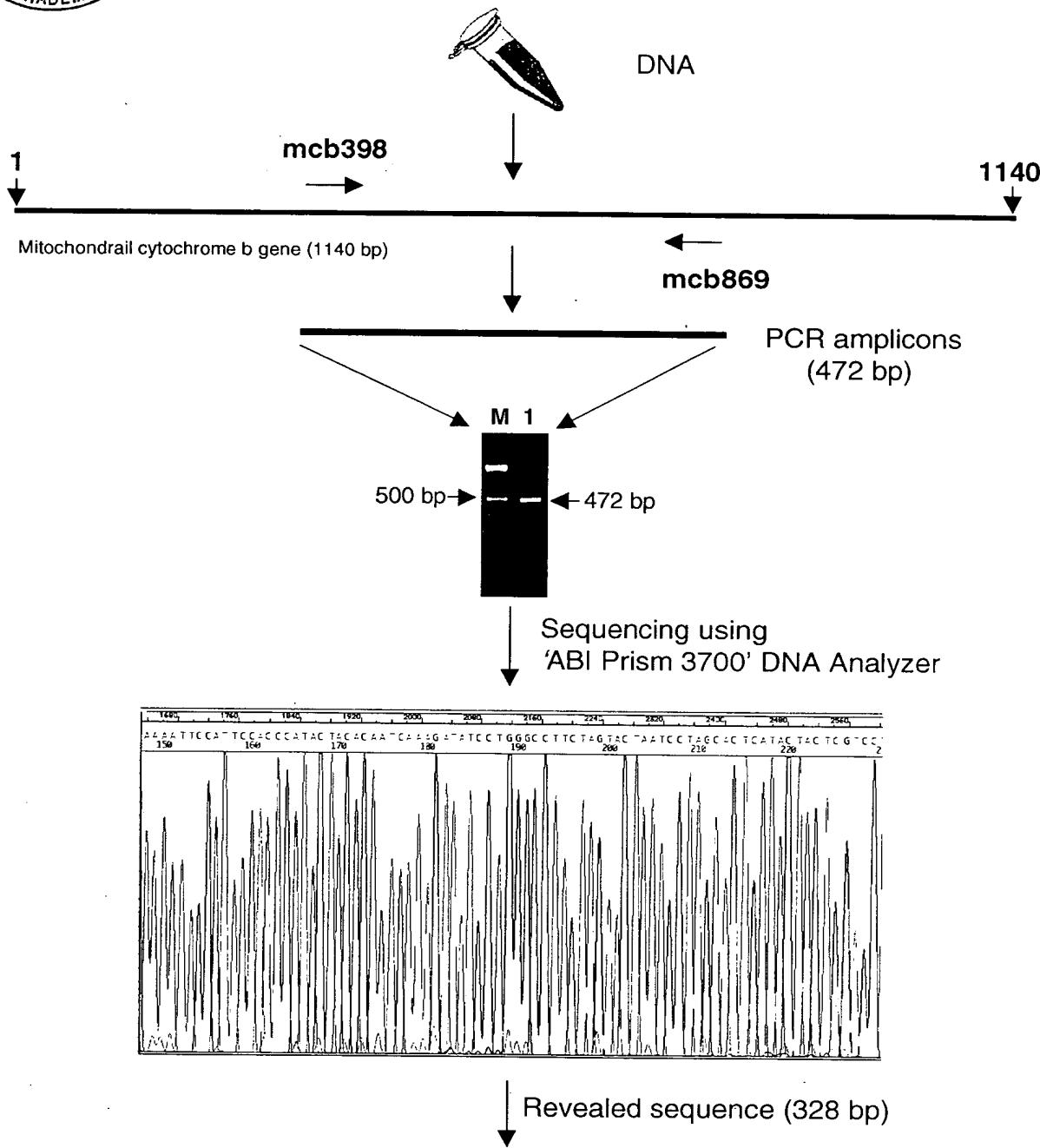




Confiscated biological material of unknown animal origin (*i.e. adil.flesh*)



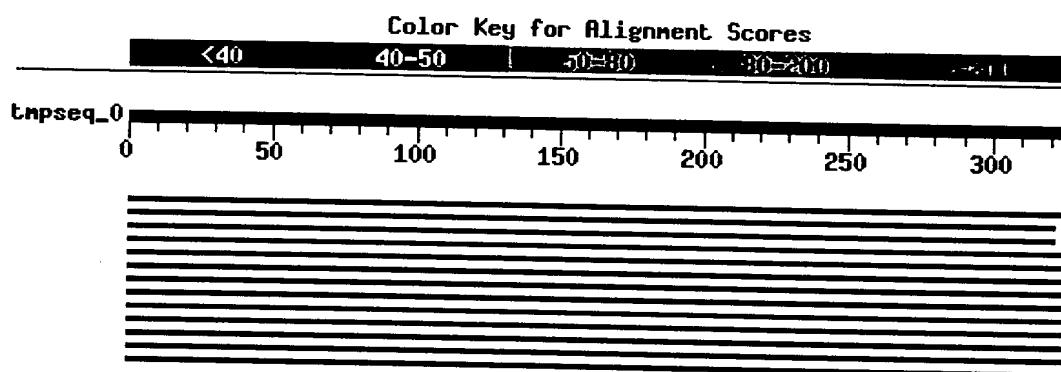
TGAATCTGAGGAGGCTTCTCAGTAGACAAAGCTACCCTGACAC
GATTCTTGCCCTCCACTCATCCTCCATTATCATCTCAGC
TCTAGCAGCAGTCCACCTCCTATTCCCTCACGAGACAGGATCT
AACAAACCCCTCAGGAATAGTATCCGACTCAGACAAAATTCCAT
TCCACCCATACTACACAATCAAAGATATCCTGGGCCTCTAGT
ACTAATCCTAGCACTCATACTACTCGTCCTATTCTCACCAAGAC
CTGTTAGGAGACCCCGATAACTACATCCCTGCCAACCTCTAA
ATACCCCTCCCCATATCAAGCCTGAAT

Figure 1 a

Sequence of cytochrome b gene (328 bp) revealed from biological material of unknown origin i.e. '*adil.flesh*' using primers '**mcb398**' and '**mcb869**'

Homology search in 'nr' database using '*BLAST*'

<http://www.ncbi.nlm.nih.gov/BLAST/>



Sequences producing significant alignments:	Score (bits)	E Value
gb AY005809.1 <i>Panthera pardus</i> cytochrome b gene, partial c...	603	e-170
gb AF053054.1 AF053054 <i>Panthera tigris sumatrae</i> isolate Su1...	527	e-147
gb AF053053.1 AF053053 <i>Panthera tigris tigris</i> isolate B7 mi...	527	e-147
gb AF053050.1 AF053050 <i>Panthera tigris corbetti</i> isolate C2 ...	476	e-132
gb AF053049.1 AF053049 <i>Panthera tigris corbetti</i> isolate C1 ...	476	e-132

Selection of reference animals based on above information and further analysis using primers ‘mcb398’ and ‘mcb869’.

Multiple sequence alignments using ‘Autoassembler’

	225	250	275	300	325
gz2L	-CTAG-TACTAAT-CCTAACAC-TCAT-ACT-AC-TCGT--C-CTATTCTCACCAAGACCTTT-GGGAGACCCC-GATAACTACAT-C-CCC-GCCAACCC-T	•	•	•	•
bhz25t	-CTAG-TACTAAT-CCTAACAC-TCAT-ACT-AC-TCGT--C-CTATTCTCACCAAGACCTTTAGGG-GACCCC-GATAACTACAT-C-CCC-GCCAACCC-T	•	•	•	•
dz14sl	-CTAG-TACTAAT-CCTAACAC-TCAT-ACT-AC-TCGT--C-CTATTCTCACCAAGACCTTTAGGG-GACCCC-GATAACTACAT-C-CCC-GCCAACCC-T	•	•	•	•
chimss	-TTCTC-TT-T-CCTC-CTTACTCTT-AATGACAT--TAACACTATCTCACCAAGACCTCTGGC-GAT-C-CCC-GCCAACCC-T	•	•	•	•
gz22cl	-CTAG-TTCTAATTCTT-AGCGC-TCAT-ACT-AC-TTGT-T-CTATTCTCCCAAGACCTACTAGGA-GAA-CCTCTGACAA-T-TACACTCTT-GCCAACCC-T	•	•	•	•
szb22al	-CTAG-TACTAAT-CCTAACAC-TCAT-ACT-AC-TCGT--C-CTATTCTCACCAAGACCTTTAGGA-GATCCC-GACAATATAC-C-CCC-GCCAACCC-T	•	•	•	•
humsk	-ATTC-T-CT-T-CCTC-TCTTAAATGACAT--TAACACTATCTCACCAAGACCTCTGGC-GAC-CAGAACATTATA-C-CCTAGCCAACCC-T	•	•	•	•
bhz20wt	-CTAG-TACTAAT-CCTAACAC-TCAT-ACT-AC-TCGT--C-CTATTCTCACCAAGACCTTTAGGG-GACCCC-GATAACTACAT-C-CCC-GCCAACCC-T	•	•	•	•
gz3L	-CTAG-TACTAAT-CCTAACAC-TCAT-ACT-AC-TCGT--C-CTATTCTCACCAAGACCTTT-GGGAGACCCC-GATAACTACAT-C-CCC-GCCAACCC-T	•	•	•	•
gz1L	-CTAG-TACTAAT-CCTAACAC-TCAT-ACT-AC-TCGT--C-CTATTCTCACCAAGACCTTT-GAGGAGACCCC-GATAACTACAT-C-CCT-GCCAACCC-T	•	•	•	•
adl.flesh	-CTAG-TACTAAT-CCTAACAC-TCAT-ACT-AC-TCGT--C-CTATTCTCACCAAGACCTTT-GAGGAGACCCC-GATAACTACAT-C-CCT-GCCAACCC-T	•	•	•	•

Figur 1 b

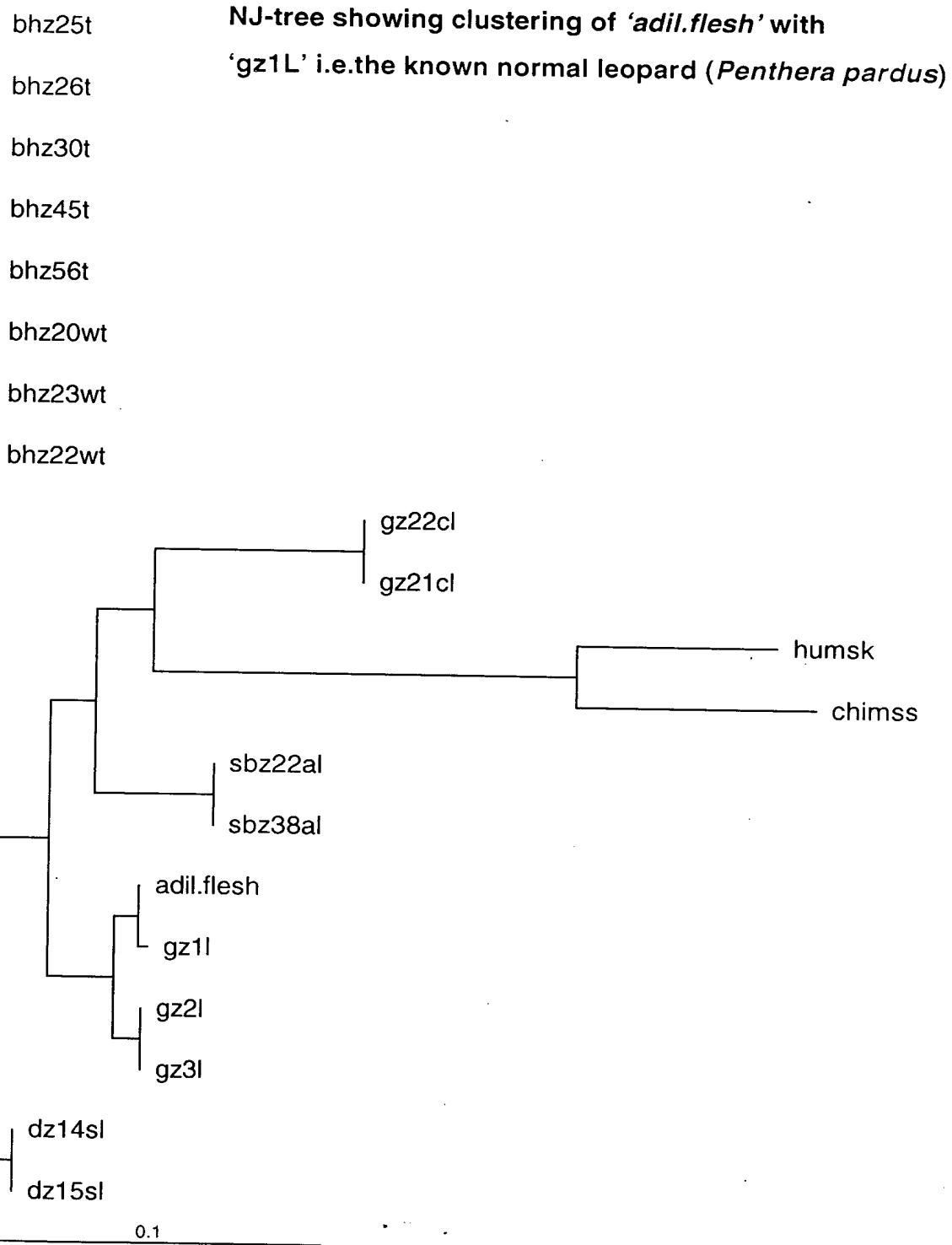


Figure 1c

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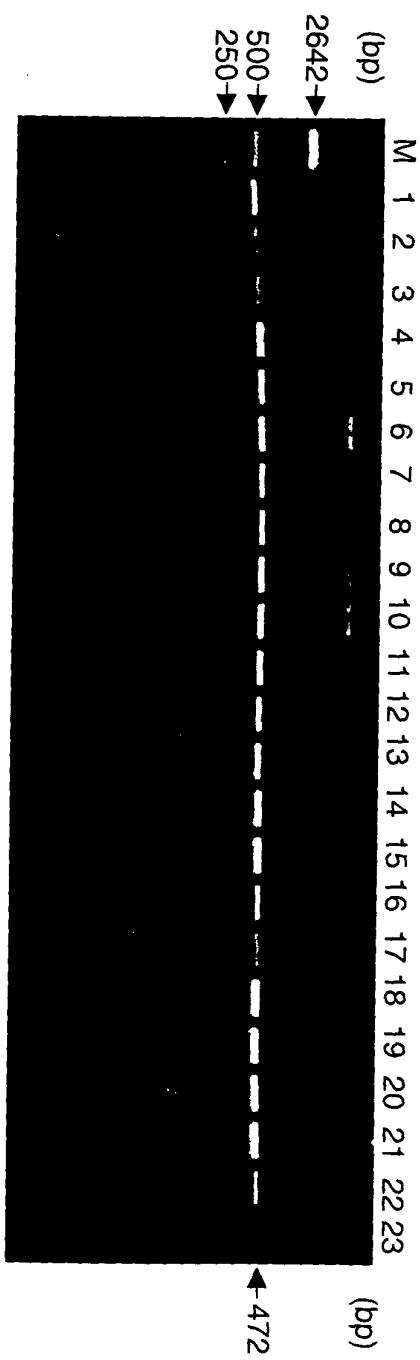


Figure 2

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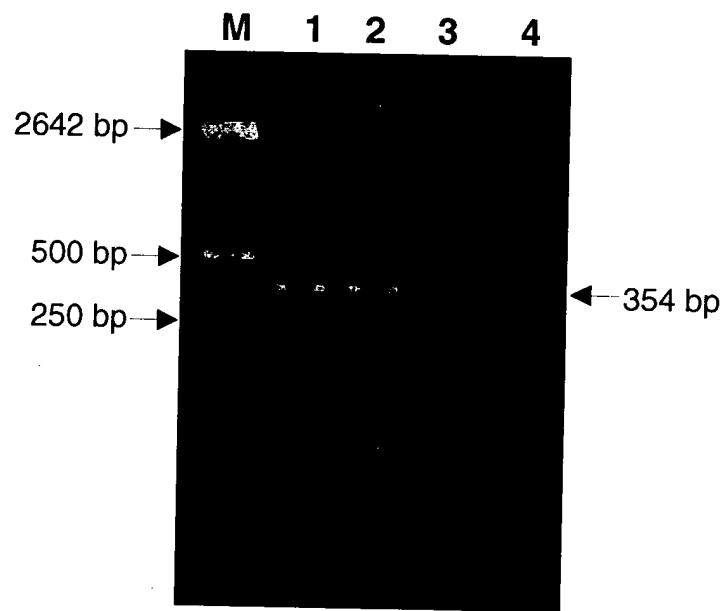


Figure 3

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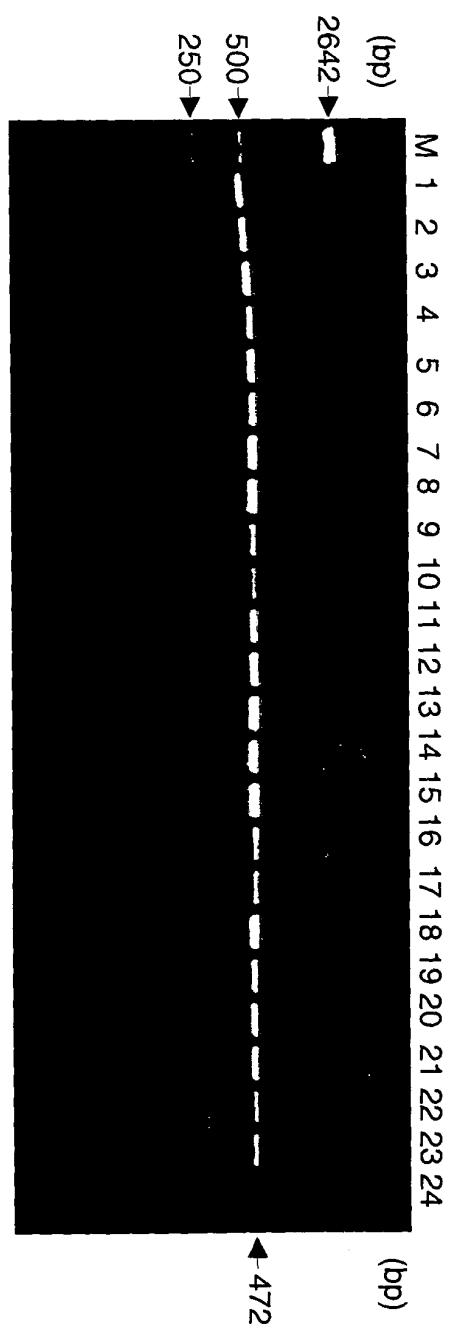


Figure 4